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Azolyl-methyl oxiranes, their preparation and use as medicaments and plant protecting agents

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Cited Documents: EP0061051; EP0023103

Abstract

1. Claims for the Contracting States : BE CH DE FR GB IT LI NL SE An azolylmethyloxirane of the general formula I see diagramm : EP0094564,P22,F4 where A and B are identical or different and, independently of one another, are naphthyl, biphenyl or phenyl, it being possible for the phenyl radical to be substituted by halogen or nitro, or by alkyl, alkoxy or haloalkyl, each of 1 to 4 carbon atoms, or by phenoxy or phenylsulfonyl, and Z is CH or nitrogen, or a physiologically tolerated or plant-tolerated salt thereof. 1. Claims for the Contracting State : AT A process for the preparation of a azolylmethyloxirane of the general formula I see diagramm : EP0094564,P23,F7 where A and B are identical or different, and independently of one another, are naphthyl, biphenyl or phenyl, it being possible for the phenyl radical to be substituted by halogen or nitro, or by alkyl, alkoxy or haloalkyl, each of 1 to 4 carbon atoms, or by phenoxy or phenylsulfonyl, and Z is CH or nitrogen, or a physiologically tolerated salt thereof, wherein (a) a compound of the formula II see diagramm : EP0094564,P24,F1 where A and B have the above meanings and L is a leaving group which can undergo nucleophilic substitution, is reacted with a compound of the formula III see diagramm : EP0094564,P24,F2 where Me is a hydrogen atom or a metal atom, and Z is CH or nitrogen, or (b) a compound of the formula II, where A and B have the above meanings and L is a hydroxyl group, is reacted with a compound of the formula IV see diagramm : EP0094564,P24,F3 where Z has the above meanings and Y is carbon or sulphur, or (c) a compound of the formula V see diagramm : EP0094564,P24,F4 where Z, A and B have the above meanings, is epoxidized, or (d) a compound of the formula VI see diagramm : EP0094564,P24,F5 where Z and A have the above meanings, is reacted with a compound of the general formula VII see diagramm : EP0094564,P24,F6 where B has the above meanings, R**1 and R**2, which may be identical or different, are each methyl or phenyl, and n is 0 or 1, and, if desired, the compound thus obtained is converted into a salt with a physiologically tolerated acid.

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